

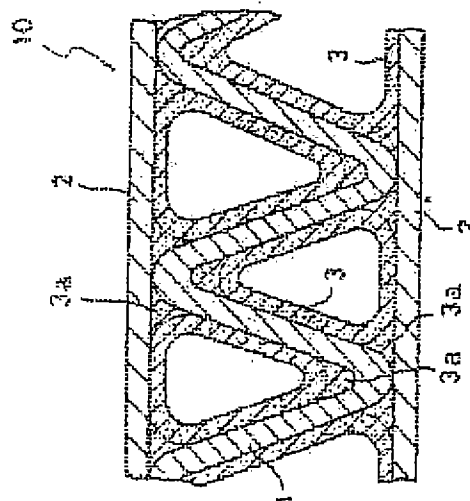
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PREPARATION OF CATALYST SUPPORTED BY METAL**Publication number:** JP1270948 (A)**Publication date:** 1989-10-30**Inventor(s):** YAGI KUNIHIRO**Applicant(s):** MAZDA MOTOR**Classification:**

- international: B01D53/86; B01J23/40; B01J27/18; B01J35/04; B01J37/02; B01D53/86;
B01J23/40; B01J27/14; B01J35/00; B01J37/00; (IPC1-7): B01D53/36; B01J23/40;
B01J27/18; B01J35/04; B01J37/02

- European:**Application number:** JP19880100965 19880422**Priority number(s):** JP19880100965 19880422**Abstract of JP 1270948 (A)**

PURPOSE:To uniformize the distribution of a catalytic component and to enhance the activity thereof by impregnating the surplus wall of the alumina wash coat layer formed to the corner part of a metal carrier with a filler to impregnate only the alumina wash coat layer with the catalytic component. **CONSTITUTION:**In a metal carrier for purifying exhaust gas, a metal corrugated plate 1 is held between two flat plates 2 at first to form a carrier and an alumina wash coat layer 3 is formed to said carrier. Then, the surplus wall parts 3a in the thick wall parts of the alumina wash coat layer 3 at the corner parts of the flat plates 2 and the corrugated plate 1 as well as the corner parts of the corrugated plate 1 are impregnated with a filler such as polyvinyl alcohol to suppress the impregnation with a noble metal catalytic component. Thereafter, the alumina coat layer 3 is impregnated with the metal catalytic component such as platinum or rhodium. By this method, the catalytic component is uniformly distributed and becomes a proper amount and the catalytic activity thereof is enhanced.



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